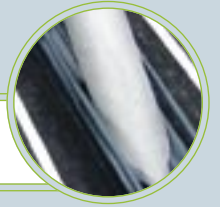


# BUILDING & CONSTRUCTION



**ARCH FOR THE NEW MALIZIA BRIDGE IN SIENA**

The reconstruction of the Malizia bridge arose from the need to improve traffic flow and the wish to create an important new architectural feature for Siena. The durability, formability and corrosion resistance properties of stainless steel were attractive. A functional and technologically innovative solution for the bridge, which crosses over the railway, was found in the construction of a large arch, between the two previously built carriageways.

LOCATION/ENVIRONMENT	Italy - outdoor
PRODUCT	
FABRICATION PROCESS	
GRADE	URANUS 35N (23Cr-4Ni-N-Low C, duplex)
SURFACE	The external surface was shot-blasted using grit and protected by means of adhesive plastic.
COMPETING MATERIAL	Carbon steel
DATE OF COMPLETION	April 2005
MANUFACTURING COMPANY	Production and installation: Costruzioni Cimolai Armando SpA
MATERIAL SUPPLIER	Duplex plates supplied by: Industeel Italia Srl (Arcelor Group)
SOURCE OF INFORMATION	Centro Inox
REMARKS	